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Title: **WO9308402A1: ROTARY MACHINE**

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Country: **WO** World Intellectual Property Organization (WPO)
Kind: **A1** Publ. of the Int. Appl. with Int. search report

Inventor(s): **LEROY, André**
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Issued/Filed Dates: **April 29, 1993 / Oct. 15, 1992**

Application Number: **WO1992FR0001010**

IPC Class: **F04C 2/107;**

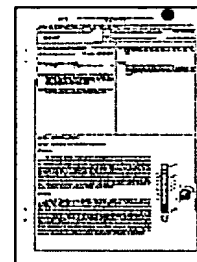
Priority Number(s): Oct. 23, 1991 **FR1991000013530**

INPADOC Legal Status:

Gazette date	Code	Description (remarks) List all possible codes for WO
April 22, 1994	ENP	Entry into the national phase in:
April 12, 1994	ENP	Entry into the national phase in: (CA 2121131)
July 8, 1993	DFPE	Request for preliminary examination filed prior to expiration of 19th month from priority date
April 29, 1993	A1	Publication of the international application with the international search report
April 29, 1993	AK	Designated states (CA JP NO US)
April 29, 1993	AL	Designated countries for regional patents (AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE)
Oct. 15, 1992	AE	International application
Oct. 23, 1991	AA	Priority claimed

Designated Countries: AT BE CA CH DE DK ES FR GB GR IE IT JP LU MC NL NO SE US

Abstract: The invention discloses a rotary positive displacement machine in which the closed system is constituted by a male part (5) and a surrounding female part (4), having relative planetary movement with respect to each other. It is characterized by the definition of the external surface of the male part (50) and by the specific properties



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which it gives to the closed system, particularly when this is of a helical type, and also by the nature of the internal contacts (40, 50) between male (5) and female (4) parts. Said machine can handle any type of fluid and operate as motor or generator. Applications are found particularly in the field of drilling motors, pumps and screw or cylinder compressors where such machines have the advantage of allowing a wide variety of shapes, few moving parts, large swept volume for a given size and, for helical machines, absolutely conjugate sliding contact surfaces.

[Show in French]

► **See a clear and precise summary of the whole patent, in understandable terms.**

Family: [Show known family members](#)

Other Abstract Info: none

Foreign References: No patents reference this one



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